



6BJ6

REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

6BJ6

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts

Current. 0.15 amp

Direct Interelectrode Capacitances:

	<i>Without External Shield</i>	<i>With External Shield^o</i>	
Grid No.1 to plate	0.0035 max.	0.0035 max.	μ f
Grid No.1 to cathode, grid No.3 & internal shield, grid No.2, and heater	4.5	4.5	μ f
Plate to cathode, grid No.3 & internal shield, grid No.2, and heater	5.5	5.5	μ f

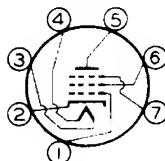
Characteristics, Class A₁ Amplifier:

Plate Voltage.	100	250	volts
Grid No.3 (Suppressor)	<i>Connected to cathode at socket</i>		
Grid-No.2 Voltage.	100	100	volts
Grid-No.1 Voltage.	-1	-1	volt
Plate Resistance (Approx.) . .	0.25	1.3	megohm.
Transconductance	3650	3600	μ hos
Plate Current.	9	9.2	ma
Grid-No.2 Current.	3.5	3.3	ma
Grid-No.1 Voltage (Approx.) for transconductance of 10 μ hos	-20	-20	volts

Mechanical:

Mounting Position.	Any
Maximum Overall Length	2-1/8"
Maximum Seated Length.	1-7/8"
Length, Base Seat to Bulb Top (Excluding tip)	1-1/2" \pm 3/32"
Maximum Diameter	3/4"
Dimensional Outline.	<i>See General Section</i>
Bulb	T-5-1/2
Base	Small-Button Miniature 7-Pin (JETEC No.E7-1)
Basing Designation for BOTTOM VIEW	7CM

Pin 1 - Grid No.1
Pin 2 - Cathode
Pin 3 - Heater
Pin 4 - Heater
Pin 5 - Plate



Pin 6 - Grid No.2
Pin 7 - Grid No.3,
Internal
Shield

^o With external shield JETEC No.316 connected to cathode.

← Indicates a change.

SEPT. 1, 1955

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REMOTE-CUTOFF PENTODE

AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts

GRID-No.2 (SCREEN) SUPPLY VOLTAGE. 300 max. volts

→ GRID-No.2 VOLTAGE. See Grid-No.2 Input Rating Chart
at front of Receiving Tube Section

GRID-No.1 (CONTROL-GRID) VOLTAGE:

Negative bias value. 50 max. volts

Positive bias value. 0 max. volts

PLATE DISSIPATION. 3 max. watts

→ GRID-No.2 INPUT:

For grid-No.2 voltages up to 150 volts . . 0.6 max. watt

For grid-No.2 voltages between 150
and 300 volts. See Grid-No.2 Input Rating Chart
at front of Receiving Tube Section

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. . 90 max. volts

Heater positive with respect to cathode. . 90 max. volts

→ Indicates a change.

SEPT. 1, 1955

DATA

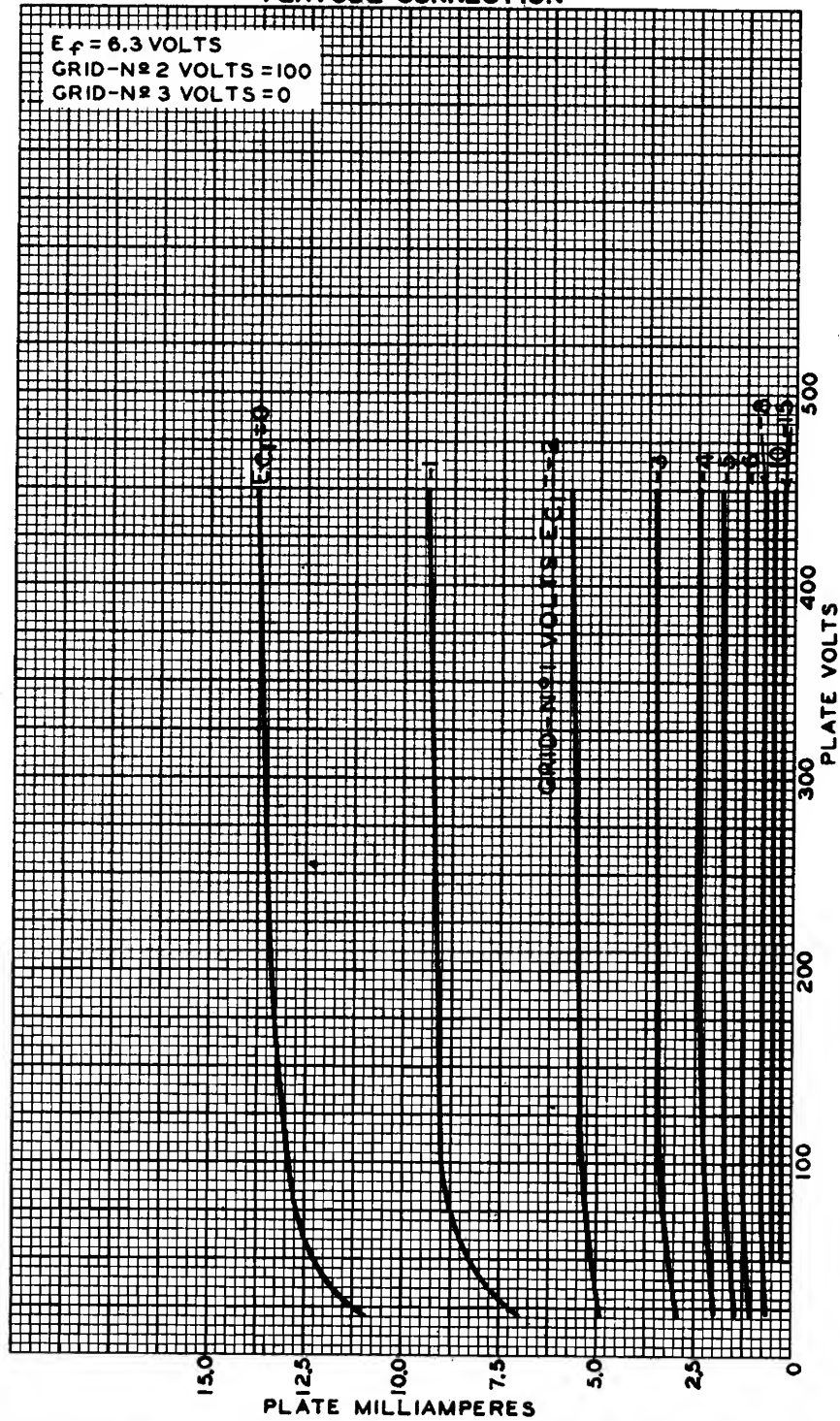
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AVERAGE PLATE CHARACTERISTICS PENTODE CONNECTION



MAY 29, 1947

TUBE DEPARTMENT

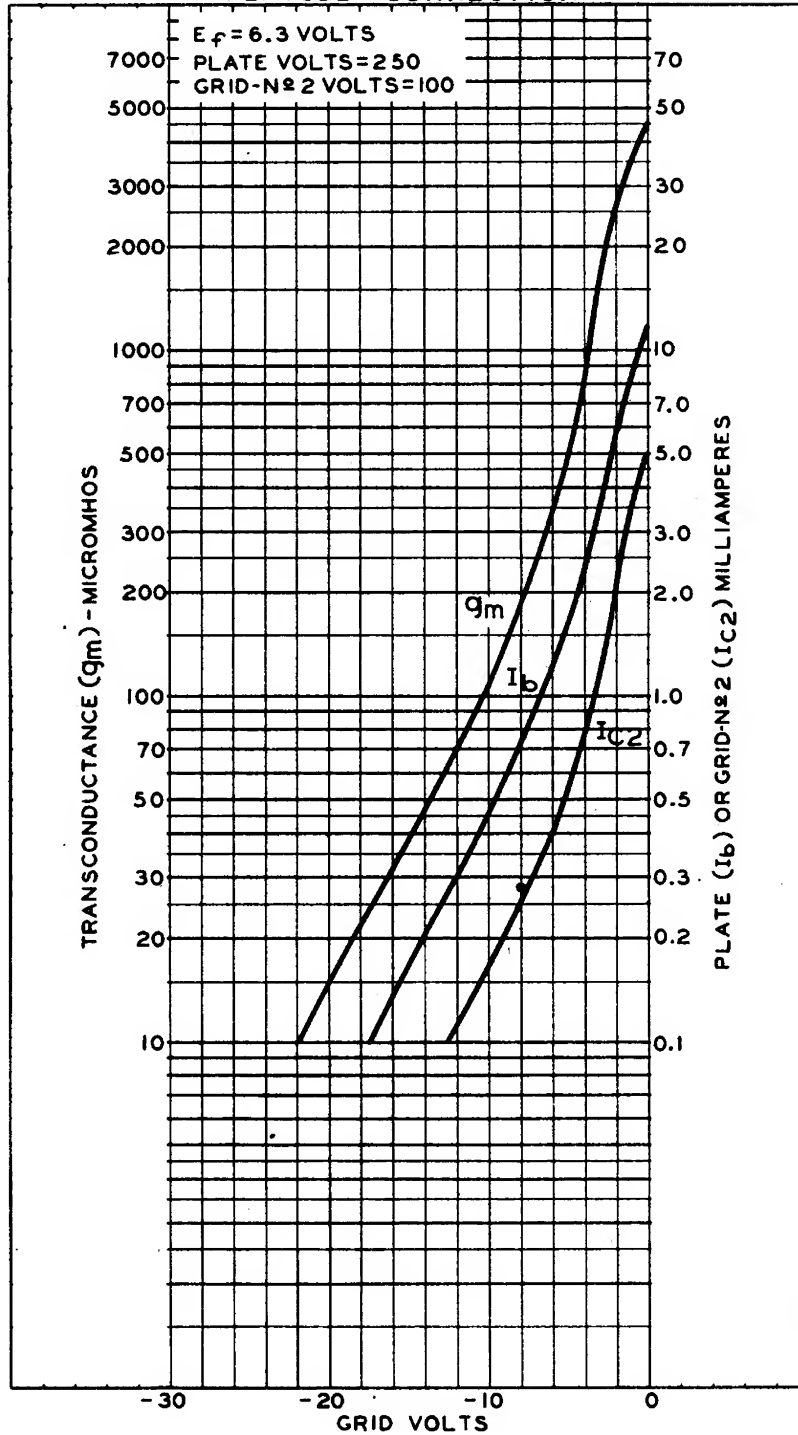
92CM-6867

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AVERAGE CHARACTERISTICS PENTODE CONNECTION



JUNE 2, 1947

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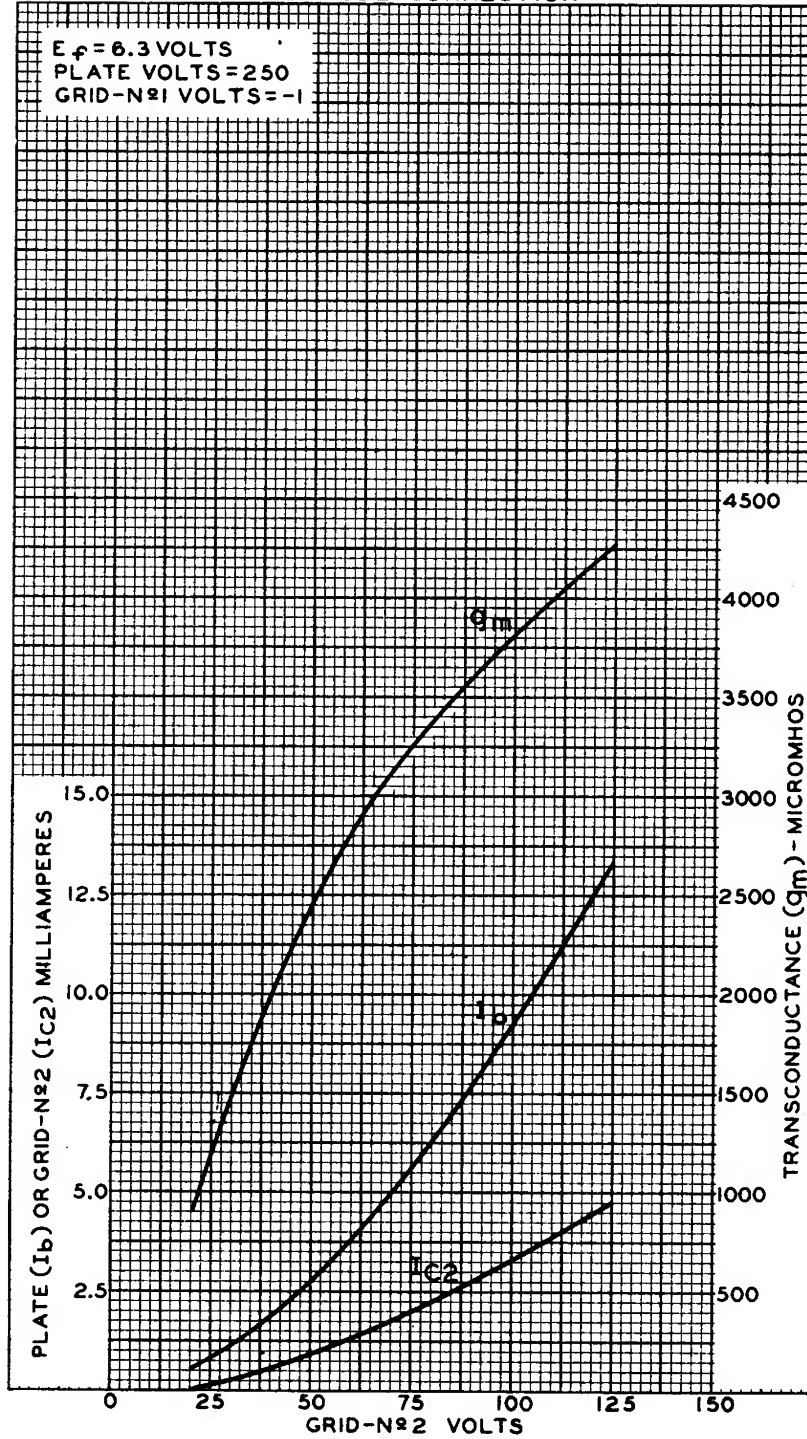
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AVERAGE CHARACTERISTICS PENTODE CONNECTION



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